

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Philbrick et al.

Assignee: Alacritech, Inc.

Title: "TCP/IP Offload Device With Fast-Path TCP ACK Generating And Transmitting Mechanism"

Serial No.: Unknown

Filed: February 26, 2002

Examiner:

Tel:

Docket No.: ALA-019

Art Unit:



Box Patent Application
Assistant Commissioner For Patents
Washington, D.C. 20231

February 26, 2002

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §1.56, §1.97 and §1.98, Applicants bring the documents listed on the enclosed forms PTO-1449 (twelve sheets) to the Examiner's attention in the above-captioned application. Citation of the listed documents shall not be construed as:

1. an admission that the documents are necessarily prior art with respect to the instant application;
2. a representation that a search has been made; or
3. an admission that the information cited is, or is considered to be, material to patentability as defined in §1.56(b).

Copies of the documents listed on the enclosed forms PTO-1449 (but for USP 5,996,024) are not provided because these listed documents were either cited by the Examiner or submitted by Applicants in prior application (09/464,283) that is relied upon for an earlier filing date under 35 U.S.C. §120. A copy of USP 5,996,024 to Blumenau is submitted.

I hereby certify that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated below and is addressed to: Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231, as Express Mail EL928549021US.

Feb. 26, 2002 T. Lester Wallace
Date T. Lester Wallace

Respectfully submitted,

T. Lester Wallace

T. Lester Wallace
Attorney for Applicants
Reg. No. 34,748

U.S. Department of Commerce, Patent and Trademark Office	Application No.:
	Filing date: February 26, 2002
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Inventors: Philbrick et al.
	Group Art Unit:
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Express Mail: EL928549021US	Attorney Docket No. ALA-019

11002 U.S. PTO
10/085802
02/26/02

U.S. Patent Documents							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date, If Appropriate
	A	4,366,538	12/28/82	Johnson et al.	364	200	
	B	4,991,133	05/13/86	Davis et al.	364	900	
	C	5,056,058	10/08/91	Hirata et al.	709	230	
	D	5,097,442	03/17/92	Ward et al.	365	78	
	E	5,163,131	11/10/92	Row et al.	395	200	
	F	5,212,778	05/18/93	Dally et al.	395	400	
	G	5,280,477	01/18/94	Trapp	370	85.1	
	H	5,289,580	02/22/94	Latif et al.	395	275	
	I	5,303,344	04/12/94	Yokoyama et al.	395	275	
	J	5,412,782	05/02/95	Hausman et al.	395	250	
	K	5,448,566	09/05/95	Richter et al.	370	94.1	

Foreign Patent Documents							
							Translation
		Document Number	Date	Country	Class	Subclass	Yes No
	L	WO 00/13091	03/09/00	PCT/US98/24943			
	M	WO 99/65219	12/16/99	PCT/US99/13184			

		OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)
	N	Internet pages entitled "Hardware Assisted Protocol Processing", (which Eugene Feinberg is working on), 1 page, printed 11/25/98.
	O	Zilog product Brief entitled "Z85C30 CMOS SCC Serial Communication Controller", Zilog Inc., 3 pages, 1997.
	P	Internet pages of Xpoint Technologies, Inc. entitled "Smart LAN Work Requests", 5 pages, printed 12/19/97.
	Q	Internet pages entitled: Asante and 100BASE-T Fast Ethernet. 7 pages, printed 5/27/97.

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U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date, If Appropriate
	A	5,485,579	01/16/96	Hitz et al.	395	200.12	
	B	5,506,966	04/09/96	Ban	395	250	
	C	5,511,169	04/23/96	Suda	395	280	
	D	5,548,730	08/20/96	Young et al.	395	280	
	E	5,588,121	12/24/96	Reddin et al.	395	200.15	
	F	5,566,170	10/15/96	Bakke et al	370	60	
	G	5,590,328	12/31/96	Seno et al.	395	675	
	H	5,592,622	01/07/97	Isfeld et al.	395	200.02	
	I	5,629,933	05/13/97	Delp et al.	370	411	
	J	5,634,099	05/27/97	Andrews et al	395	200.07	
	K	5,634,127	05/27/97	Cloud et al.	395	680	

Foreign Patent Documents

							Translation	
		Document Number	Date	Country	Class	Subclass	Yes	No
	L	WO 01/05107 A1	01/18/01	PCT/US00/19006				
	M	WO 01/05116 A2	01/18/01	PCT/US00/19243				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	N	Internet pages entitled: A Guide to the Paragon XP/S-A7 Supercomputer at Indiana University. 13 pages, printed 12/21/98.
	O	Richard Stevens, "TCP/IP Illustrated, Volume 1, The Protocols", pages 325-326 (1994).
	P	Internet pages entitled: Northridge/Southbridge vs. Intel Hub Architecture, 4 pages, printed 2/19/01.
	Q	Gigabit Ethernet Technical Brief, Achieving End-to-End Performance. Alteon Networks, Inc., First Edition, September 1996.

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*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date, If Appropriate
	A	5,642,482	06/24/97	Pardillos	395	200.2	
	B	5,664,114	09/02/97	Krech, Jr. et al.	395	200.64	
	C	5,671,355	09/23/97	Collins	395	200.2	
	D	5,678,060	10/14/97	Yokoyama et al.	709	212	
	E	5,692,130	11/25/97	Shobu et al.	395	200.12	
	F	5,699,317	12/16/97	Sartore et al.	395	230.06	
	G	5,701,434	12/23/97	Nakagawa	395	484	
	H	5,701,516	12/23/97	Cheng et al.	395	842	
	I	5,749,095	05/05/98	Hagersten	711	141	
	J	5,751,715	05/12/98	Chan et al.	370	455	
	K	5,752,078	05/12/98	Delp et al.	395	827	

Foreign Patent Documents

							Translation	
		Document Number	Date	Country	Class	Subclass	Yes	No
	L	WO 01/05123 A1	01/18/01	PCT/US00/18976				
	M	WO 01/40960A1	06/07/01	PCT/US00/32660				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	N	Internet pages directed to Technical Brief on Alteon Ethernet Gigabit NIC technology, www.alteon.com, 14 pages, printed 3/15/97.
	O	VIA Technologies, Inc. article entitled "VT8501 Apollo MVP4", pages i-iv, 1-11, cover and copyright page, revision 1.3, Feb. 1, 2000.
	P	iReady News Archives article entitled "iReady Rounding Out Management Team with Two Key Executives", http://www.ireadyco.com/archives/keyexec.html, 2 pages, printed 11/28/98.
	Q	"Toshiba Delivers First Chips to Make Consumer Devices Internet-Ready Based On iReady's Design," Press Release October, 1998, 3 pages, printed 11/28/98.

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	A	5,758,084	05/26/98	Silverstein et al.	395	200.58	
	B	5,758,089	05/26/98	Gentry et al.	395	200.64	
	C	5,758,186	05/26/98	Hamilton et al.	395	831	
	D	5,758,194	05/26/98	Kuzma	395	886	
	E	5,771,349	06/23/98	Picazo, Jr. et al.	395	188.01	
	F	5,790,804	08/04/98	Osborne	395	200.75	
	G	5,794,061	08/11/98	Hansen et al.	395	800.01	
	H	5,802,580	09/01/98	McAlpice	711	149	
	I	5,809,328	09/15/98	Nogales et al.	395	825	
	J	5,812,775	09/22/98	Van Seeters et al.	395	200.43	
	K	5,815,646	09/29/98	Purcell et al.	395	163	

Foreign Patent Documents

							Translation	
		Document Number	Date	Country	Class	Subclass	Yes	No
	L	WO 01/04770 A2	01/18/01	PCT/US00/18939				
	M	WO/98/19412	05/07/98	PCT/US97/17257				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	N	Internet pages from iReady Products, web site http://www.ireadyco.com/products.html , 2 pages, downloaded 11/25/98.
	O	iReady News Archives, Toshiba, iReady shipping Internet chip, 1 page, printed 11/25/98.
	P	Interprophet article entitled "Technology", http://www.interprophet.com/technology.html , 17 pages, printed 3/1/00.
	Q	iReady Corporation, article entitled "The I-1000 Internet Tuner", 2 pages, date unknown.

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	A	5,878,225	03/02/99	Bilansky et al.	395	200.57	
	B	5,913,028	06/15/99	Wang et al.	395	200.33	
	C	5,930,830	07/27/99	Mendelson et al.	711	171	
	D	5,931,918	08/03/99	Row et al	709	300	
	E	5,935,205	08/10/99	Murayama et al.	709	216	
	F	5,937,169	08/10/99	Connery et al.	395	200.8	
	G	5,941,969	08/24/99	Ram et al.	710	128	
	H	5,941,972	08/24/99	Hoese et al.	710	129	
	I	5,950,203	09/07/99	Stakuis et al.	707	10	
	J	5,991,299	11/23/99	Radogna et al.	370	392	
	K	5,996,024	11/30/99	Blumenau	709	301	

Foreign Patent Documents

							Translation	
		Document Number	Date	Country	Class	Subclass	Yes	No
	L	WO/98/50852	11/12/98	PCT/US98/08719				
	M	WO/99/04343	01/28/99	PCT/US98/14729				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

N	iReady article entitled "About Us Introduction", Internet pages from http://www.iReadyco.com/about.html , 3 pages, printed 11/25/98.
O	iReady News Archive article entitled "Revolutionary Approach to Consumer Electronics Internet Connectivity Funded", San Jose, CA, November 20, 1997. 2 pages, printed 11/2/98.
P	iReady News Archive article entitled "Seiko Instruments Inc. (SII) INTRODUCES WORLD'S FIRST INTERNET-READY INTELLIGENT LCD MODULES BASED ON IREADY TECHNOLOGY," Santa Clara, CA and Chiba, Japan, October 26, 1998. 2 pages, printed 11/2/98.
Q	NEWSwatch article entitled "iReady internet Tuner to Web Enable Devices", Tuesday, November 5, 1996, printed 11/2/98.

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*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date, If Appropriate
	A	6,005,849	12/21/99	Roach et al.	370	276	
	B	6,009,478	12/28/99	Panner et al.	710	5	
	C	6,016,513	01/18/00	Lowe	709	250	
	D	6,026,452	02/15/00	Pitts	710	56	
	E	6,034,963	03/07/00	Minami et al.	370	401	
	F	6,044,438	03/28/00	Olnowich	711	130	
	G	6,047,356	04/04/00	Anderson et al.	711	129	
	H	6,057,863	05/02/00	Olarig	345	520	
	I	6,061,368	05/09/00	Hitzelberger	370	537	
	J	6,065,096	05/16/00	Day et al.	711	114	
	K	6,141,705	10/31/00	Anand et al.	710	15	

Foreign Patent Documents								
							Translation	
		Document Number	Date	Country	Class	Subclass	Yes	No
	L							
	M							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
N	EETimes article entitled "Tuner for Toshiba, Toshiba Taps iReady for Internet Tuner", by David Lammers, 2 pages, printed 11/02/98.	
O	"Comparison of Novell Netware and TCP/IP Protocol Architectures", by J.S. Carbone, 19 pages, printed 4/10/98.	
P	Adaptec article entitled "AEA-7110C-a DuraSAN product", 11 pages, printed 10/1/01.	
Q	iSCSI HBA article entitled "iSCSI and 2Gigabit fibre Channel Host Bus Adapters from Emulex, QLogic, Adaptec, JNI", 8 pages, printed 10/01/01.	

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	A	6,226,680	05/01/01	Boucher et al.	709	230	
	B	6,246,683	06/12/01	Connery et al.	370	392	
	C	6,247,060	06/12/01	Boucher et al.	709	238	
	D	60/053,240		Jolitz et al.			07/18/97
	E						
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	G						
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	I						
	J						
	K						

Foreign Patent Documents

							Translation	
		Document Number	Date	Country	Class	Subclass	Yes	No
	L							
	M							

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	N	iSCSI HBA article entitled "FCE-3210/6410 32 and 64-bit PCI-to-Fibre Channel HBA", 6 pages, printed 10/01/01.
	O	ISCSI.com article entitled "iSCSI Storage", 2 pages, printed 10/01/01.
	P	"Two-Way TCP Traffic Over Rate Controlled Channels: Effects and Analysis", by Kalampoukas et al., IEEE Transactions on Networking, vol. 6, no. 6, December 1998.
	Q	IReady News article entitled "Toshiba Delivers First Chips to Make Consumer Devices Internet-Ready Based on iReady Design", Santa Clara, CA, and Tokyo, Japan, October 14, 1998, printed 11/2/98.

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Foreign Patent Documents

							Translation	
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	L							
	M							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

N	United States Patent Application No. 08/964,304, by Napolitano, et al., entitled "File Array Storage Architecture", filed 11/04/97.
O	"File System Design For An NFS File Server Appliance", Article by D. Hitz, et al., 13 pages.
P	Adaptec Press Release article entitled "Adaptec Announces EtherStorage Technology", 2 pages, May 4, 2000, printed 6/14/00.
Q	Adaptec article entitled "EtherStorage Frequently Asked Questions", 5 pages, printed 7/19/00.

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	L							
	M							

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	N	Adaptec article entitled "EtherStorage White Paper", 7 pages, printed 7/19/00.
	O	CIBC World Markets article entitled "Computers; Storage", by J. Berlino et al., 9 pages, dated August 7, 2000.
	P	Merrill Lynch article entitled "Storage Futures", by S. Milunovich, 22 pages, dated May 10, 2000.
	Q	CBS Market Watch article entitled "Montreal Start-Up Battles Data Storage Bottleneck", by S. Taylor, dated March 5, 2000, 2 pages, printed 3/7/00.

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	L							
	M							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
N	Internet-draft article entitled "SCSI/TCP (SCSI over TCP)", by J. Satran et al., 38 pages, dated February 2000, printed 5/19/00.	
O	Internet pages entitled "Technical White Paper-Xpoint's Disk to LAN Acceleration Solution for Windows NT Server, printed 6/5/97.	
P	Jato Technologies article entitled "Network Accelerator Chip Architecture, twelve-slide presentation, printed 8/19/98.	
Q	EETimes article entitled "Enterprise System Uses Flexible Spec, dated August 10, 1998, printed 11/25/98.	

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	L							
	M							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
	N	Internet pages entitled "Smart Ethernet Network Interface Cards", which Berend Ozceri is developing, printed 11/25/98.
	O	
	P	Internet pages of Xaqti corporation entitled "GigaPower Protocol Processor Product Review," printed 11/25/98.
	Q	Internet pages entitled "DART: Fast Application Level Networking via Data-Copy Avoidance," by Robert J. Walsh, printed 6/3/99.

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	J						
	K						

Foreign Patent Documents								
							Translation	
		Document Number	Date	Country	Class	Subclass	Yes	No
	L							
	M							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
N	Internet pages of InterProphet entitled "Frequently Asked Questions", by Lynne Jolitz, printed 6/14/00.
O	Internet pages entitled "iReady Products, printed 11/25/98.
P	Andrew S. Tanenbaum, Computer Networks, Third Edition, 1996, ISBN 0-13-349945-6, (entire book).
Q	

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